

CLAIMS

1. A process for the production of paper printed upon in pattern form which is impregnated in strip form with fire-inhibiting materials, wherein printing is effected with an aqueous printing solution on a self-supporting paper web characterized in that the printing solution contains water-soluble polymers and the paper is heated to over 50° C prior to or during the printing operation.
2. A process as set forth in claim 1 characterized in that the polymers originate from one or more of the hereinafter listed classes of polyvinyl alcohols, polysaccharides, modified polysaccharides or partially hydrolyzed polyvinyl acetates.
3. A process as set forth in claim 1 characterized in that the temperature is higher than that value at which the polymers precipitate from water.
4. A process as set forth in claim 1 characterized in that the paper is heated to 70 – 90° C prior to or during the printing operation.
5. A process as set forth in claim 1 characterized in that the printing solution is of a viscosity of a maximum of 4000 mPa · s at 20° C.
6. A process as set forth in claim 1 characterized in that the paper is of a base weight of 15 - 40 g/m².
7. A process as set forth in claim 1 characterized in that the paper to be printed upon has an absorption height of 6 - 15 mm/10 min, preferably an absorption height of 8 - 13 mm/10 min.
8. A process as set forth in claim 1 characterized in that the operation of printing on the paper is effected after it has left the paper screen and the press portion of a paper machine but before the paper web is rolled up.
9. A process as set forth in claim 8 characterized in that the paper web is printed upon, wherein a contact dryer for the paper web, in roller form, serves as a backing support.

10. A process as set forth in claim 9 characterized in that subsequently to the printing operation the paper web is impregnated over its entire surface area with an aqueous solution.
11. A process as set forth in claim 10 characterized in that the aqueous solution contains fire-promoting means.
12. A process as set forth in claim 1 wherein the paper is cigarette paper.